

CSE-1006 | Lab Assignment-4 | L29-L30

Academic year: 2021-2022 | Semester: WIN

Faculty Name: Dr Arunkumar Gopu | Date: 18/5/2022

Student name: M.Taran | Reg. no.: 19BCE7346

importing

```
In [1]: import numpy as np
import pandas as pd
import seaborn as sns
import matplotlib.pyplot as plt
```

```
In [5]: data = pd.read_csv("/content/Dataset.csv")
data
```

Out[5]:

	Gender	Age	Education Level	Institution Type	IT Student	Location	Load to shedding	Financial Condition	Internet Type	Network Type	Class Duration	Self Lms	Device
0	Boy	21 to 25	University	Non Government	No	Yes	Low	Mid	Wifi	4G	3 to 6	No	Tall
1	Girl	21 to 25	University	Non Government	No	Yes	High	Mid	Mobile Data	4G	1 to 3	Yes	Mobile
2	Girl	16 to 20	College	Government	No	Yes	Low	Mid	Wifi	4G	1 to 3	No	Mobile
3	Girl	11 to 15	School	Non Government	No	Yes	Low	Mid	Mobile Data	4G	1 to 3	No	Mobile
4	Girl	16 to 20	School	Non Government	No	Yes	Low	Poor	Mobile Data	3G	0	No	Mobile
...
1200	Girl	16 to 20	College	Non Government	No	Yes	Low	Mid	Wifi	4G	1 to 3	No	Mobile
1201	Girl	16 to 20	College	Non Government	No	No	High	Mid	Wifi	4G	3 to 6	No	Mobile
1202	Boy	11 to 15	School	Non Government	No	Yes	Low	Mid	Mobile Data	3G	1 to 3	No	Mobile
1203	Girl	16 to 20	College	Non Government	No	No	Low	Mid	Wifi	4G	1 to 3	No	Mobile
1204	Girl	11 to 15	School	Non Government	No	Yes	Low	Poor	Mobile Data	3G	1 to 3	No	Mobile

1205 rows × 14 columns

1. Draw an appropriate graph to count the number of boy and girl students who participated in the survey.

```
In [17]: df.Gender.value_counts()
Out[17]: Boy      663
Girl      542
Name: Gender, dtype: int64
```



1. Draw an appropriate graph to count the number of students in different age groups.



1. Draw an appropriate graph to count the number of boy and girl students separately studying in different education institutions.



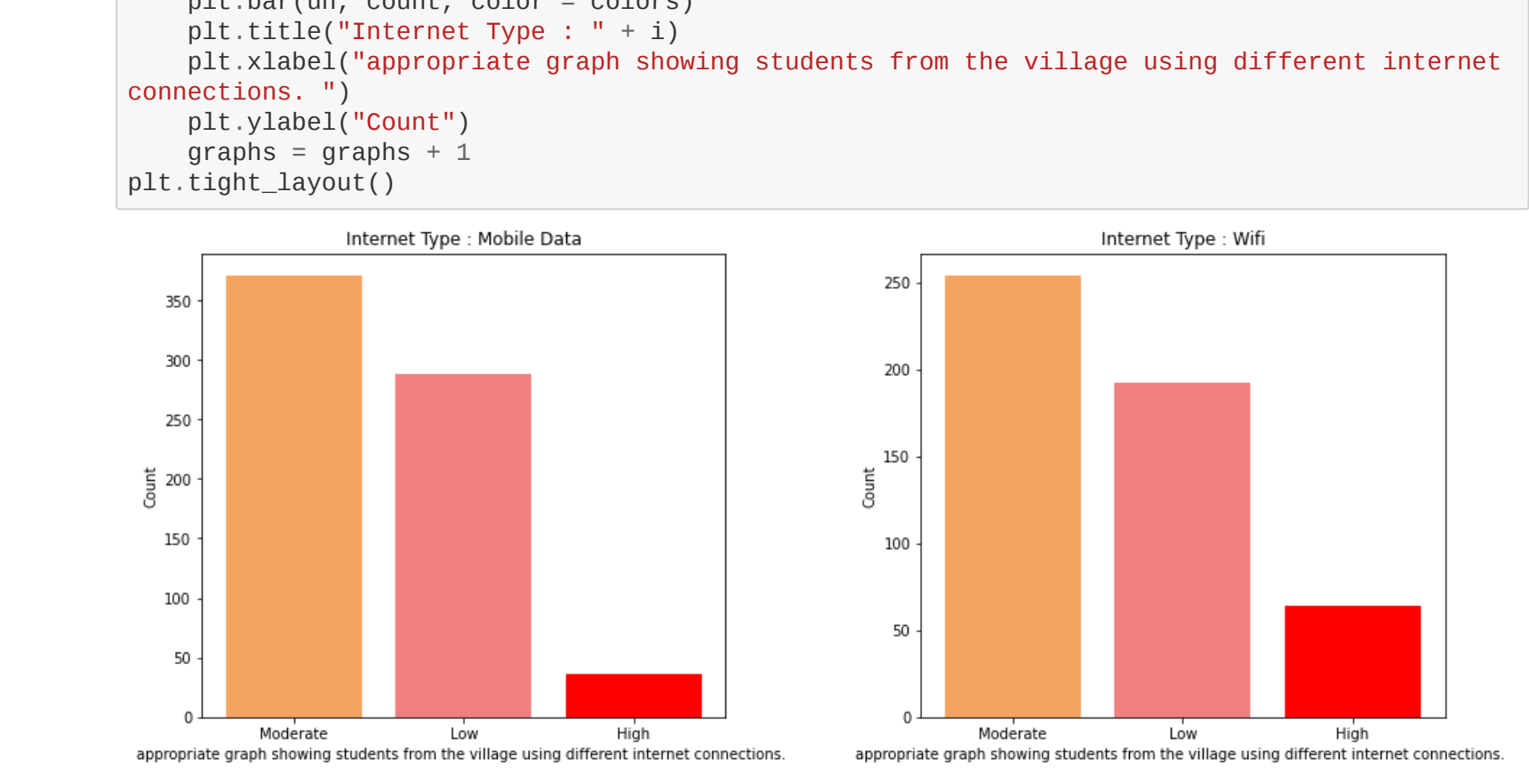
1. On a scale of 100%, draw an appropriate graph to project the Adaptivity Level of students.

```
In [19]:
```

1. Use an appropriate graph to compare the performance of the students from town and from village.

```
In [ ]:
```

1. Draw an appropriate graph showing students from the village using different internet connections.



1. Compare the adaptivity levels of students from town and students from villages.



1. Who has a better Adaptivity Level under different financial conditions?



1. Does usage of mobile data vs wifi affect adaptivity levels of students?



1. Compare Financial Condition with Device owned. Is it true that poor people cannot afford a laptop?



```
In [ ]: !jupyter nbconvert --to html /content/19BCE7346_TARAN_NLP_Assignment_4.ipynb
```